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FILE COVERS 1907 - 29 Mar 2007 VOL 146 ISS 15

FILE LAST UPDATED: 29 Mar 2007 (20070329/ED)

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=> s 9 and (spinosyn or ketospinosyn)

1825639 9

122 SPINOSYN

0 KETOSPINOSYN

L1 13 9 AND (SPINOSYN OR KETOSPINOSYN)

=> d l1 1-13

L1 ANSWER 1 OF 13 CA COPYRIGHT 2007 ACS on STN

AN 146:44359 CA

TI Determination of spinosad in vegetables and fruits by high-performance liquid chromatography with UV and mass spectrometric detection after gel permeation chromatography and solid-phase extraction cleanup on a 2-layered column

AU Ueno, Eiji; Oshima, Harumi; Matsumoto, Hiroshi; Saito, Isao; Tamura, Hiroto

CS Aichi Prefectural Institute of Public Health, Tsuji-machi, Kita-ku, Nagoya, Aichi, 462-8576, Japan

SO Journal of AOAC International (2006), 89(6), 1641-1649

CODEN: JAINEE; ISSN: 1060-3271

PB AOAC International

DT Journal

LA English

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 2 OF 13 CA COPYRIGHT 2007 ACS on STN  
 AN 143:128351 CA  
 TI The influence of post-exposure temperature on the toxicity of insecticides to *Ostrinia nubilalis* (Lepidoptera: Crambidae)  
 AU Musser, Fred R.; Shelton, Anthony M.  
 CS Department of Entomology, New York State Agricultural Experiment Station, Cornell University, Geneva, NY, 14456, USA  
 SO Pest Management Science (2005), 61(5), 508-510  
 CODEN: PMSCF; ISSN: 1526-498X  
 PB John Wiley & Sons Ltd.  
 DT Journal  
 LA English  
 RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 3 OF 13 CA COPYRIGHT 2007 ACS on STN  
 AN 142:477114 CA  
 TI DNA molecules and polypeptides of glycosyltransferases and enzymes involved in biosynthesis of deoxysugars from *Streptomyces* and *Saccharopolyspora*, their sequences and use in glycosylation of various small molecules, such as spinosyn  
 IN Trefzer, Axel; Green, Brian D.; Bibb, Mervyn; Mason, Dylan  
 PA Diversa Corporation, USA  
 SO PCT Int. Appl., 226 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005044979	A2	20050519	WO 2004-US25015	20040804
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2003-492781P	P	20030804		
	US 2003-515950P	P	20031029		

L1 ANSWER 4 OF 13 CA COPYRIGHT 2007 ACS on STN  
 AN 141:394272 CA  
 TI Monitoring multi-class pesticide residues in fresh fruits and vegetables by liquid chromatography with tandem mass spectrometry  
 AU Garrido Frenich, A.; Martinez Vidal, J. L.; Lopez Lopez, T.; Cortes Aguado, S.; Martinez Salvador, I.  
 CS Department of Analytical Chemistry, University of Almeria, Almeria, 04071, Spain  
 SO Journal of Chromatography, A (2004), 1048(2), 199-206  
 CODEN: JCRAEY; ISSN: 0021-9673  
 PB Elsevier B.V.  
 DT Journal  
 LA English  
 RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 5 OF 13 CA COPYRIGHT 2007 ACS on STN  
 AN 141:140710 CA

TI Synthesis of 9-keto-spinosyn derivatives for use in  
 agriculture as pesticides  
 IN Jeschke, Peter; Velten, Robert; Ebbinghaus-Kintscher, Ulrich; Beck,  
 Michael E.; Losel, Peter; Malsam, Olga; Eberz, Gunther; Mohrle, Volker;  
 Frode, Rita  
 PA Bayer Cropscience Ag, Germany  
 SO Ger. Offen., 85 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10301519	A1	20040729	DE 2003-10301519	20030117
	AU 2004205353	A1	20040805	AU 2004-205353	20040108
	WO 2004065402	A1	20040805	WO 2004-EP58	20040108
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ				
	EP 1590358	A1	20051102	EP 2004-700669	20040108
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	BR 2004006802	A	20060117	BR 2004-6802	20040108
	CN 1784416	A	20060607	CN 2004-80007005	20040108
	JP 2006517538	T	20060727	JP 2006-500529	20040108
	US 2006128642	A1	20060615	US 2005-541442	20050706
PRAI	DE 2003-10301519	A	20030117		
	WO 2004-EP58	W	20040108		
OS	MARPAT 141:140710				

L1 ANSWER 6 OF 13 CA COPYRIGHT 2007 ACS on STN  
 AN 137:263265 CA  
 TI Preparation and reaction of intermediate compounds and their use in the  
 production of spinosyn derivatives  
 IN Stadler, Marc; Mayer-Bartschmid, Anke; Seip, Stephan; Velten, Robert;  
 Jeschke, Peter; Weber, Karlheinz  
 PA Bayer A.-G., Germany  
 SO Ger. Offen., 20 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10121313	A1	20021002	DE 2001-10121313	20010502
	WO 2002079184	A1	20021010	WO 2002-EP2999	20020319
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1373245	A1	20040102	EP 2002-722238	20020319
	EP 1373245	B1	20061227		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2004526742	T	20040902	JP 2002-577811	20020319
	US 2004147766	A1	20040729	US 2004-473318	20040303
PRAI	DE 2001-10115407	IA	20010329		
	DE 2001-10121313	A	20010502		

WO 2002-EP2999 W 20020319  
OS CASREACT 137:263265; MARPAT 137:263265

L1 ANSWER 7 OF 13 CA COPYRIGHT 2007 ACS on STN  
AN 136:167573 CA  
TI Chemical and microbial modifications of spinosyn: exploring synergies between fermentation microbiology and organic chemistry  
AU Kirst, Herbert A.; Creemer, Lawrence C.; Broughton, M. Chris; Huber, Mary L. B.; Turner, Jan R.  
CS Elanco Animal Health Research and Development, Greenfield, IN, 46140-0708, USA  
SO ACS Symposium Series (2002), 800 (Synthesis and Chemistry of Agrochemicals VI), 251-261  
CODEN: ACSMC8; ISSN: 0097-6156  
PB American Chemical Society  
DT Journal; General Review  
LA English  
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 8 OF 13 CA COPYRIGHT 2007 ACS on STN  
AN 135:72699 CA  
TI Management of diamondback moths, *Plutella xylostella* (L.) (Lepidoptera:Plutellidae), in cole crops  
AU Seal, Dakshina R.; McCord, Elzie, Jr.  
CS Tropical Research and Education Center, IFAS, University of Florida, Homestead, FL, 33031, USA  
SO Nuclear Science and Applications (Dhaka) (1998), 7(1, 2), 49-55  
CODEN: NSAPEE; ISSN: 0078-2637  
PB Bangladesh Atomic Energy Commission  
DT Journal  
LA English  
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 9 OF 13 CA COPYRIGHT 2007 ACS on STN  
AN 133:266645 CA  
TI Studies on the synthesis of the decahydro-as-indacene ring system of (-)-spinosyn A via transannular Diels-Alder reactions of substituted (E,E,E)-cyclododeca-1,6,8-trienes  
AU Frank, Scott A.; Works, Andrea B.; Roush, William R.  
CS Department of Chemistry, University of Michigan, Ann Arbor, MI, 48197, USA  
SO Canadian Journal of Chemistry (2000), 78(6), 757-771  
CODEN: CJCHAG; ISSN: 0008-4042  
PB National Research Council of Canada  
DT Journal  
LA English  
OS CASREACT 133:266645  
RE.CNT 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 10 OF 13 CA COPYRIGHT 2007 ACS on STN  
AN 129:290288 CA  
TI Conversion of spinosyn A and spinosyn D to their respective 9- and 17-pseudoaglycones and their aglycons  
AU Creemer, Lawrence C.; Kirst, Herbert A.; Paschal, Jonathan W.  
CS Research and Development, Elanco Animal Health, Greenfield, IN, 46140, USA  
SO Journal of Antibiotics (1998), 51(8), 795-800  
CODEN: JANTAJ; ISSN: 0021-8820  
PB Japan Antibiotics Research Association  
DT Journal  
LA English  
OS CASREACT 129:290288  
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD

## ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 11 OF 13 CA COPYRIGHT 2007 ACS on STN  
 AN 126:171845 CA  
 TI Preparation of spinosyn macrocyclic lactone aminodeoxy glycosides as insecticides and miticides  
 IN Deamicis, Carl Vincent; Anzeveno, Peter Biagio; Martynow, Jacek G.; McLaren, Kevin L.; Green, Frederick Richard, III; Sparks, Thomas C.; Kirst, Herbert A.; Creemer, Lawrence Camillo; Worden, Thomas V.; Schoonover, Joe Raymond, Jr.; Gifford, James Michael; Hatton, Christopher J.; Hegde, Vidyadhar B.; Crouse, Gary D.; Thoreen, Brian R.; Ricks, Michael J.; et al.  
 PA DowElanco, USA  
 SO PCT Int. Appl., 280 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9700265	A1	19970103	WO 1996-US10327	19960613
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9661771	A	19970115	AU 1996-61771	19960613
	AU 711185	B2	19991007		
	EP 837870	A1	19980429	EP 1996-919423	19960613
	EP 837870	B1	20020724		
	R: DE, ES, FR, GB, IT				
	CN 1191541	A	19980826	CN 1996-195634	19960613
	CN 1130369	B	20031210		
	BR 9608380	A	19990105	BR 1996-8380	19960613
	JP 11506117	T	19990602	JP 1996-503351	19960613
	ES 2179202	T3	20030116	ES 1996-919423	19960613
	TW 487559	B	20020521	TW 1994-83102553	19961213
	HK 1016186	A1	20040723	HK 1998-119212	19981230
PRAI	US 1995-201P	P	19950614		
	US 1995-1435P	P	19950714		
	US 1995-9006P	P	19951221		
	US 1996-662549	A	19960613		
	WO 1996-US10327	W	19960613		
OS	MARPAT 126:171845				

L1 ANSWER 12 OF 13 CA COPYRIGHT 2007 ACS on STN  
 AN 126:128246 CA  
 TI The aerobic and anaerobic degradation of spinosad - a novel natural insect control agent  
 AU Reeves, G. L.; Hale, K. A.; Portwood, D. E.  
 CS DowElanco Europe, Oxfordshire, OX12 9JT, UK  
 SO Environmental Fate of Xenobiotics, Proceedings of the Symposium Pesticide Chemistry, 10th, Piacenza, Italy, Sept. 30-Oct. 2, 1996 (1996), 253-259.  
 Editor(s): Del Re, Attilio Amerigo Maria. Publisher: Goliardica Pavese, Pavia, Italy.  
 CODEN: 63YDAM  
 DT Conference  
 LA English

L1 ANSWER 13 OF 13 CA COPYRIGHT 2007 ACS on STN  
 AN 125:28238 CA  
 TI The aerobic soil degradation of spinosad - a novel natural insect control agent  
 AU Hale, Kerry A.; Portwood, David E.

CS DowElanco Europe, Letcombe Regis, Oxon., OX12 9JT, UK  
SO Journal of Environmental Science and Health, Part B: Pesticides, Food  
Contaminants, and Agricultural Wastes (1996), B31(3), 477-484  
CODEN: JPFCD2; ISSN: 0360-1234  
PB Dekker  
DT Journal  
LA English